



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/780,412	02/12/2001	Mitsumasa Mori	520.39629X00	8506

20457 7590 10/20/2004

ANTONELLI, TERRY, STOUT & KRAUS, LLP  
1300 NORTH SEVENTEENTH STREET  
SUITE 1800  
ARLINGTON, VA 22209-9889

EXAMINER

SEFCHECK, GREGORY B

ART UNIT

PAPER NUMBER

2662

DATE MAILED: 10/20/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	Application No. 09/780,412	Applicant(s) MORI ET AL.	
	Examiner Gregory B Sefcheck	Art Unit 2662	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 12 February 2001.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 February 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## **DETAILED ACTION**

### ***Information Disclosure Statement***

1. The information disclosure statement filed 2/12/2001 fails to comply with the provisions of 37 CFR 1.97, 1.98 and MPEP § 609 because the cited reference was not properly listed on a Pto-892 form and a copy of the reference was not provided. It has been placed in the application file, but the information referred to therein has not been considered as to the merits. Applicant is advised that the date of any re-submission of any item of information contained in this information disclosure statement or the submission of any missing element(s) will be the date of submission for purposes of determining compliance with the requirements based on the time of filing the statement, including all certification requirements for statements under 37 CFR 1.97(e). See MPEP § 609 ¶ C(1).

### ***Specification***

2. The disclosure is objected to because of the following informalities: The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Appropriate correction is required.

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1 and 2 are rejected under 35 U.S.C. 102(e) as being anticipated by Civanlar et al. (US006385193B1), hereafter Civanlar.

- In regards to Claims 1 and 2,

Civanlar discloses a gateway apparatus for establishing a communication session over a plurality of networks (Fig. 2; Abstract; claim 1,2 – apparatus having plurality of input and output ports connected to plurality of networks).

Referring to Fig. 2, Civanlar shows connection setup signaling is sent from a terminal in network 53 to apparatus 101. Apparatus 101 recognizes that signaling packet is from first-type network 53 for establishing a connection with second-type network 52 (Col. 5, lines 15-22; claim 1,2 – discriminating the type of an incoming network of a connection setup request/received message received from an input port).

Civanlar shows apparatus 101 determines the called party from the signaling packet in terms of the protocol of incoming network 53 and translates (rewrites) the called party address to the format of outgoing network 52 (Col. 5, lines 22-29; claim 1,2

– selecting an outgoing network in the connection setup request/received message on the basis of a predetermined rule; claim 1,2 – transferring the request to an output port connected to the outgoing network after rewriting part of the request/message).

### ***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 3-7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Civanlar in view of Gallant et al. (US 20020009086A1), hereafter Gallant.

- In regards to Claims 3-7,

Civanlar discloses a gateway apparatus for establishing a communication session over a plurality of networks (Fig. 2; Abstract; claim 3 – apparatus having plurality of input and output ports connected to plurality of networks).

Referring to Fig. 2, Civanlar shows connection setup signaling is sent from a terminal in network 53 to apparatus 101. Apparatus 101 recognizes that signaling packet is from first-type network 53 for establishing a connection with second-type network 52 (Col. 5, lines 15-22; claim 3 – discriminating the type of an incoming network of a connection setup request/received message received from an input port).

Civanlar shows apparatus 101 determines the called party from the signaling packet in terms of the protocol of incoming network 53 and translates (rewrites) the called party address to the format of outgoing network 52 (Col. 5, lines 22-29; claim 3 – selecting an outgoing network in the connection setup request/received message on the basis of a predetermined rule; claim 3 – transferring the request to an output port connected to the outgoing network after rewriting part of the request/message; claim 4 – incoming network of a first type and outgoing network of a second type; claim 6 – incoming network of a first type and outgoing network of a third type; claim 7 – incoming network of a third type and outgoing network of a first type).

It is inherent that a called party within the same network as the calling party would not require translation, with the setup message being transmitted as addressed in terms of the network's protocol (claim 5 – incoming network and outgoing network of a first type).

Civanlar does not explicitly disclose rewriting contents of first and second address fields in the received message before transferring. Civanlar does not show writing the first address field into the second address field and writing an address based on a predetermined rule into a first address field.

Gallant discloses an intelligent network and method for providing voice telephony over ATM and private address translation (Title). Gallant discloses extracting and analyzing information from an input setup message and designating addresses of a called party to be stored in a first and second address parameter (Abstract; claim 3 –

rewriting comprises writing contents of first and second address fields in the received message).

Gallant shows that the address in the first instance of the second address parameter is stored in the first parameter of a destination ATM setup message and the storing the translated (based on predetermined rules) destination address in the first parameter (Abstract; claim 4 – transferring to output port of outgoing network after writing contents of first address field into second address field; claim 4,6 – transferring message to output port of outgoing network after writing an address corresponding to the outgoing network obtained on the basis of the corresponding rule into first address field; claim 5,7 – transmitting of received message to an output port connected to the outgoing network by using the contents of first address field)).

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the apparatus of Civanlar by performing address translation as shown by Gallant, where a setup message is transmitted to the outgoing network after a first address field is written into a second address field and the first address field is written based on a predetermined rule. Address translation performed in this way enables voice telephony to be provided over connectionless networks while maintaining voice quality and the integrity of protocols over multiple traversed networks.

**Conclusion**

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Gokhale et al. (US 20020003776A1) discloses an internetworking unit for integrating terrestrial ATM switches with broadband satellite networks
- Endo et al. (US 20010028653A1) discloses a packet switching system, packet switching network and packet switching method
- Kawaguchi (US006714532B1) discloses a network connecting method and device
- Morgenstern et al. (US006587467B1) discloses virtual channel multicast utilizing virtual path tunneling in asynchronous mode transfer networks
- Pounds et al. (US006560222B1) discloses systems and methods for multiple voice and data communications using intelligently bridged TDM and packet buses and methods for performing telephony and data functions using the same
- Li et al. (US006535507B1) discloses a method of address resolution for the transfer of synchronous transfer mode calls through multiple domains in a broadband data network
- St. Armand et al. (US006526063B1) discloses a system and method for ATM-FR interworking of SVC signaling
- Karaki et al. (US006512772B1) discloses an ATM-address resolving transmission apparatus



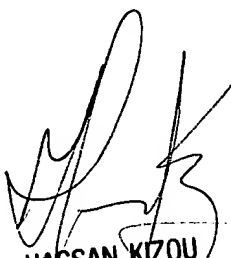
- DeNap et al. (US006490273B1) discloses asynchronous transfer mode architecture migration
- Pedersen (US006480888B1) discloses a virtual path concentrator node with loopback
- Feldmeier et al. (US006289414B1) discloses partially ordered cams used in ternary hierarchical address searching/sorting
- Dugan et al. (US006078586A) discloses ATM virtual private networks
- Feldman et al. (US006055561A) discloses mapping of routing traffic to switching networks
- Suzuki (US005796736A) discloses an ATM network topology auto discovery method

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory B Sefcheck whose telephone number is 571-272-3098. The examiner can normally be reached on Monday-Friday, 8:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on 571-272-3088. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

GBS  
10-15-2004



HASSAN KIZOU  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600